

REMARKS

The preceding amendments and following remarks form a full and complete response to the Office Action dated January 8, 2009. Applicants have amended claims 1, 12 and 13 and cancelled claim 26 without prejudice or disclaimer. Claim 25 was previously cancelled without prejudice or disclaimer. Support for the claim amendments can be found, *inter alia*, in previous claim 26 and in the Specification¹ at ¶¶ 29 and 34. No new matter has been added by the claim amendments. Accordingly, claims 1-24 and 27 remain pending and Applicants respectfully request reconsideration of all outstanding rejections in view of the preceding amendments and following remarks.

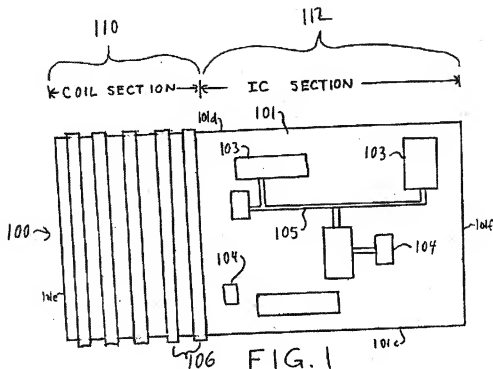
Claim Rejections Under 35 U.S.C. § 103

The Office Action rejected claims 1-24 and 26-27 under 35 U.S.C. § 103(a) as unpatentable over U.S. Patent Application Publication No. 2002/0026108 by Colvin et al. ("Colvin") in view of U.S. Patent No. 6,402,689 to Scarantino et al. ("Scarantino"). Applicants traverse the rejection on because claims 1-24 and 26-27 recite subject matter neither disclosed nor suggested by the combination of Colvin and Scarantino.

For instance, the combination of Colvin and Scarantino fails to disclose or suggest a conductor formed around a coil section of a substrate, as claim 1 requires. The Examiner suggests that this feature of claim 1 is disclosed by Colvin. *See* Office Action at 7 ("Colvin discloses said substrate comprises a component section (*bottom left of the substrate*) separate from a coil section (*bottom right of the substrate*) of the substrate"). This feature of claim 1, however is not disclosed by Colvin.

As explained by the specification, the substrate is preferably organized into a coil section 110 and an integrated circuit section 112. *See* Specification at ¶ 29 and Figure 1 (reproduced below). The coil section includes an elongated coil 106, which is preferably edge-wrapped around the ferrite substrate. *Id.*

¹ Unless otherwise stated, citations to the Specification refer to U.S. Patent Application Publication No. 2004/0206916.



By contrast, Colvin merely discloses a power source 40 and a transmitter 42. *See* Colvin at ¶ 88. Both the power source and the transmitter can be inductors. *Id.* at 90. The power source 40 and the transmitter 42 are mounted on the substrate 70. *Id.* The disclosure of Colvin differs from the claimed invention in several important ways. Instead of having a coil section and a circuit component section, as claim 1 requires, Colvin merely discloses a substrate with no particular organization into a coil section and a circuit component section. Additionally, the coils described by Colvin are contained within inductor components and not formed around the coil section. Accordingly, Colvin fails to disclose or suggest this feature of claim 1. Scrantino also fails to disclose this feature of claim 1. Instead, Scrantino discloses a copper wire 58 wrapped around the entirety of the sensor unit 50" an not a coil formed on a coil section of the substrate, as claim 1 requires. Accordingly, as both the Colvin and Scrantino references fail to disclose this feature of the claimed invention, claim 1 is patentable over the combination of Colvin and Scrantino. Applicants, therefore, respectfully request the withdrawal of the rejection of claim 1. Claims 2-11, 24, and 27 are patentable for at least the same reasons stated with respect to claim 1, from which they depend, as well as for the additional features they recite. Applicants, therefore, also respectfully request the withdrawal of the rejection of claims 2-11, 24, and 27.

Similarly to claim 1, claim 12 recites forming an inductive coil around a coil section of a ferrite substrate. As stated above with respect to claim 1, the combination of Colvin and Scrantino fails to disclose or suggest this feature of claim 12. Accordingly, Applicants respectfully request the withdrawal of the rejection of claim 12.

Much like claims 1 and 12, claim 13 recites a coil being formed around a coil section of a ferrite substrate. As stated above with respect to claims 1 and 12, the combination of Colvin and Scrantino fails to disclose or suggest this feature of claim 13. Accordingly, Applicants respectfully request the withdrawal of the rejection of claim 13. Claims 14-23 are patentable over the combination of Colvin and Scrantino for at least the same reasons stated above with respect to claim 13, from which they depend, as well as for the additional features they recite. Accordingly, Applicants also respectfully request the withdrawal of the rejection of claims 14-23.

CONCLUSION

In view of the above, Applicants respectfully submit that all objections have been overcome and that the application is now in condition for allowance.

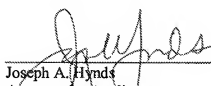
If for any reason the Examiner determines that the application is not now in condition for allowance, it is respectfully requested that the Examiner contact, by telephone, the Applicants' undersigned attorney at the indicated telephone number to arrange for an interview to expedite the disposition of this application.

In the event that this paper is not timely filed, Applicants respectfully petitions for an appropriate extension of time. Any fees for such an extension together with any additional fees may be charged to Counsel's Deposit Account No. 02-2135.

If for any reason the Examiner determines that the application is not now in condition for allowance, it is respectfully requested that the Examiner contact, by telephone, Applicants' undersigned attorney at the indicated telephone number to arrange for an interview to expedite the disposition of this application.

Respectfully submitted,

By: _____


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